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#14

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RAW SEQUENCE LISTING DATE: 04/08/2002
PATENT APPLICATION: US/09/667,237A TIME: 14:41:39

Input Set : N:\Crf3\03252002\I667237.raw
Output Set: N:\CRF3\04682002\I667237A.raw

```
      1 <110> APPLICANT: Reinl, Stephen
      2       Lindbo, John
      3       Turpen, Thomas
      4 <120> TITLE OF INVENTION: CREATION OF VARIABLE LENGTH AND SEQUENCE LINKER REGIONS
      5       FOR DUAL-DOMAIN OR MULTI-DOMAIN MOLECULES
      6 <130> FILE REFERENCE: 42205
      7 <140> CURRENT APPLICATION NUMBER: US/09/667,237A
C-->  8 <141> CURRENT FILING DATE: 1999-09-24
      9 <150> PRIOR APPLICATION NUMBER: US 60/155,978
     10 <151> PRIOR FILING DATE: 1999-09-24
     11 <160> NUMBER OF SEQ ID NOS: 51
     12 <170> SOFTWARE: PatentIn Ver. 2.1
     14 <210> SEQ ID NO: 1
     15 <211> LENGTH: 9
     16 <212> TYPE: PRT
     17 <213> ORGANISM: Artificial Sequence
     18 <220> FEATURE:
     19 <223> OTHER INFORMATION: Description of Artificial Sequence: Glycine rich
     20       linker
     21 <400> SEQUENCE: 1
     22       Pro Gly Ile Ser Gly Gly Gly Gly Gly
     23         1               5
     25 <210> SEQ ID NO: 2
     26 <211> LENGTH: 16
     27 <212> TYPE: PRT
     28 <213> ORGANISM: Artificial Sequence
     29 <220> FEATURE:
     30 <223> OTHER INFORMATION: Description of Artificial Sequence: Asparagine
     31       rich linker
     32 <400> SEQUENCE: 2
     33       Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Leu Gly Ile Glu Gly Arg
     34         1               5                  10                  15
     36 <210> SEQ ID NO: 3
     37 <211> LENGTH: 15
     38 <212> TYPE: PRT
     39 <213> ORGANISM: Artificial Sequence
     40 <220> FEATURE:
     41 <223> OTHER INFORMATION: Description of Artificial Sequence: (Gly4-Ser)3
     42 <400> SEQUENCE: 3
     43       Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
     44         1               5                  10                  15
     46 <210> SEQ ID NO: 4
     47 <211> LENGTH: 30
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RAW SEQUENCE LISTING DATE: 04/08/2002
PATENT APPLICATION: US/09/667,237A TIME: 14:41:39

Input Set : N:\Crf3\03252002\I667237.raw
Output Set: N:\CRF3\04082002\I667237A.raw

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     48 <212> TYPE: DNA
     49 <213> ORGANISM: Artificial Sequence
     50 <220> FEATURE:
     51 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
     52       forward primer
     53 <400> SEQUENCE: 4
     54       gtggcatgca ggttcaactg gtggagtctg                                  30
     56 <210> SEQ ID NO: 5
     57 <211> LENGTH: 26
     58 <212> TYPE: DNA
     59 <213> ORGANISM: Artificial Sequence
     60 <220> FEATURE:
     61 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
     62       reverse primer
     63 <223> OTHER INFORMATION: "asy" can appear from 1 to 50 times before the
     64       remainder of the sequence
W--> 65 <400> 5
     66       asytgaggag acggtgacca gggttc                                      26
     68 <210> SEQ ID NO: 6
     69 <211> LENGTH: 41
     70 <212> TYPE: DNA
     71 <213> ORGANISM: Artificial Sequence
     72 <220> FEATURE:
     73 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
     74       reverse primer, first reaction
     75 <400> SEQUENCE: 6
     76       asyasyasya syasyasytg aggagacggt gaccagggtt c                     41
     78 <210> SEQ ID NO: 7
     79 <211> LENGTH: 50
     80 <212> TYPE: DNA
     81 <213> ORGANISM: Artificial Sequence
     82 <220> FEATURE:
     83 <223> OTHER INFORMATION: Description of Artificial Sequence: VH domain
     84       reverse primer, second reaction
     85 <400> SEQUENCE: 7
     86       asyasyasya syasyasyas yasyasytga ggagacggtg accagggttc            50
     88 <210> SEQ ID NO: 8
     89 <211> LENGTH: 29
     90 <212> TYPE: DNA
     91 <213> ORGANISM: Artificial Sequence
     92 <220> FEATURE:
     93 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
     94       forward primer
     95 <223> OTHER INFORMATION: "rst" can appear from 1 to 50 times before the
     96       remainder of the sequence
W--> 97 <400> 8
     98       rstgacattc agatgaccca gtctccttc                                   29
    100 <210> SEQ ID NO: 9
    101 <211> LENGTH: 39
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Input Set : N:\Crf3\03252002\I667237.raw
Output Set: N:\CRF3\04082002\I667237A.raw

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103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
106       reverse primer
107 <400> SEQUENCE: 9
108       caccctaggc tatcgtttga tcagtacctt ggtcccctg                          39
110 <210> SEQ ID NO: 10
111 <211> LENGTH: 44
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
116       forward primer, third reaction
117 <400> SEQUENCE: 10
118       rstrstrstr strstrstga cattcagatg acccagtctc cttc                    44
120 <210> SEQ ID NO: 11
121 <211> LENGTH: 53
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: VL domain
126       forward primer, fourth reaction
127 <400> SEQUENCE: 11
128       rstrstrstr strstrstrs trstrstgac attcagatga cccagtctcc ttc           53
130 <210> SEQ ID NO: 12
131 <211> LENGTH: 39
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
136       nucleotide sequence
137 <400> SEQUENCE: 12
138       actactgcta ctggtgctag tactactgct ggtgctagt                          39
140 <210> SEQ ID NO: 13
141 <211> LENGTH: 13
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
146       amino acid sequence
147 <400> SEQUENCE: 13
148       Thr Thr Ala Thr Gly Ala Ser Thr Thr Ala Gly Ala Ser
149         1               5                  10
151 <210> SEQ ID NO: 14
152 <211> LENGTH: 39
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
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Output Set: N:\CRF3\04082002\I667237A.raw

<223> OTHER INFORMATION: Description of Artificial Sequence: Linker region nucleotide sequence

<400> SEQUENCE: 14
gctactgctg ctagtggtgc tgctgctggt ggtggtact 39

<210> SEQ ID NO: 15
<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Linker region amino acid sequence

<400> SEQUENCE: 15
Ala Thr Ala Ala Ser Gly Ala Ala Ala Gly Gly Gly Thr
1 5 10

<210> SEQ ID NO: 16
<211> LENGTH: 39
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Linker region nucleotide sequence

<400> SEQUENCE: 16
gctactggtg ctagtactag tgctactgct ggtggtagt 39

<210> SEQ ID NO: 17
<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Linker region amino acid sequence

<400> SEQUENCE: 17
Ala Thr Gly Ala Ser Thr Ser Ala Thr Ala Gly Gly Ser
1 5 10

<210> SEQ ID NO: 18
<211> LENGTH: 39
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Linker region nucleotide sequence

<400> SEQUENCE: 18
agtactgctg ctggtactag tagtggtagt agtactggt 39

<210> SEQ ID NO: 19
<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Linker region amino acid sequence

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PATENT APPLICATION: US/09/667,237A TIME: 14:41:39

Input Set : N:\Crf3\03252002\I667237.raw
Output Set: N:\CRF3\04082002\I667237A.raw

210 <400> SEQUENCE: 19
211 Ser Thr Ala Ala Gly Thr Ser Ser Gly Ser Ser Thr Gly
212 1 5 10
214 <210> SEQ ID NO: 20
215 <211> LENGTH: 51
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
220 nucleotide sequence
221 <400> SEQUENCE: 20
222 gctagtactg ctactagtag tggtggtggt ggtactggta gtagtgctgc t 51
224 <210> SEQ ID NO: 21
225 <211> LENGTH: 17
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
230 amino acid sequence
231 <400> SEQUENCE: 21
232 Ala Ser Thr Ala Thr Ser Ser Gly Gly Gly Thr Gly Ser Ser Ala Ala
233 1 5 10 15
234 Ala
236 <210> SEQ ID NO: 22
237 <211> LENGTH: 60
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
242 nucleotide sequence
243 <400> SEQUENCE: 22
244 gctactagta ctgctgctgc tggtgctact agtgctactg gtggtgctag tggtactggt 60
246 <210> SEQ ID NO: 23
247 <211> LENGTH: 20
248 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker region
252 amino acid sequence
253 <400> SEQUENCE: 23
254 Ala Thr Ser Thr Ala Ala Ala Gly Ala Thr Ser Ala Thr Gly Gly Ala
255 1 5 10 15
256 Ser Gly Thr Gly
257 20
259 <210> SEQ ID NO: 24
260 <211> LENGTH: 39
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/08/2002
PATENT APPLICATION: US/09/667,237A TIME: 14:41:40

Input Set : N:\Crf3\03252002\I667237.raw
Output Set: N:\CRF3\04082002\I667237A.raw

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4

VERIFICATION SUMMARY DATE: 04/08/2002
PATENT APPLICATION: US/09/667,237A TIME: 14:41:40

Input Set : N:\Crf3\03252002\I667237.raw
Output Set: N:\CRF3\04082002\I667237A.raw

L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:65 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:97 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:299 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:27
L:331 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:30